

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

1301 GTGTGGATGT CGAAGCAGCA GGCGCCGCCC CCTCCTCCGC AGCAGCCTCC
 1351 GCAGGCCCCG CAAGCCCCAC AGGCGCCTCC GCAGCAGCAA GCACCCCCGC
 1401 AGCAGCCGCA GGCACCCAG CAGCAGCAGG CACACACGCT CACCACGCTG
 1451 AGCAGCGAGC CAGGCCAGTC CCAGCGAACG CACATCAAGA CGGAGCAGCT
 1501 GAGCCCCAGC CACTACAGGG AGCAGCAGCA GCACTCCCCG CAACAGATCT
 1551 CCTACAGCCC CTTCAACCTT CCTCACTACA GGCCCTCCTA CCCGCCCATC
 1601 ACCCGTTTCG AATACGACTA CGCTGACCAT CAGAACTCCG GCTCCTACTA
 1651 CAGTCACGCA GCCGGCCAGG GCTCAGGGCT CTACTCCACC TTCACTTACA
 1701 TGAACCCCGC GCAGCGCCCC ATGTACACCC CCATCGGTGA CACCTCCGGG
 1751 GTCCCTTCCA TCCCGCAGAC CCACAGCCCC CAGGACTGGG AACAAACAGT
 1801 CTACACACAG GTCACCAGAC CCTGAGAAGA GAAAAGCTAT GGTGACAGAG
 1851 CTGATCTTTT TTTTTTTTTT TTTTAAAGA AGAAAAGAAA GAAACGAAAA
 1901 AGAAAAAGCT GAAGGAAATC AAGAACCAAT TGAAATTCCT TTGGACACTT
 1951 TTTTTTTTGT CCTTTCGTTA ATTTTAAAA GACATGTAAA GGAAGGTAAC
 2001 GATTGCTGGG CATTCCAGGA GAGAGACTTT AAGACTTTGT CTGAGCTCAT
 2051 GACAACATAT TGCAAATGGC CGGGCCACTC GTGGCCAGAC GGACAGCACT
 2101 CCTGGCCAGA TGGACCCACC AGTATCAGCG AGGAGGGGCT TGTCTCCTTC
 2151 AGAGTTAACA TGGAGGACGA TTGGAGAATC TCCCTGCCTG TTTGGACTTT
 2201 GTAATTATTT TTTAGCCGTA ATTAAAGAAA AAAAAAGTCC AAAAAAAAAA

Figure 1(b)

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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Val Asp Ile Gly Glu Leu Ser Ser Asp Val Ile Ser Asn Ile Glu Thr
 275 280 285
 Phe Asp Val Asn Glu Phe Asp Gln Tyr Leu Pro Pro Asn Gly His Pro
 290 295 300
 Gly Val Pro Ala Thr His Gly Gln Val Thr Tyr Thr Gly Ser Tyr Gly
 305 310 315 320
 Ile Ser Ser Thr Ala Pro Thr Pro Ala Thr Ala Gly His Val Trp Met
 325 330 335
 Ser Lys Gln Gln Ala Pro Pro Pro Pro Gln Gln Pro Pro Gln Ala
 340 345 350
 Pro Gln Ala Pro Gln Ala Pro Pro Gln Gln Gln Ala Pro Pro Gln Gln
 355 360 365
 Pro Gln Ala Pro Gln Gln Gln Gln Ala His Thr Leu Thr Thr Leu Ser
 370 375 380
 Ser Glu Pro Gly Gln Ser Gln Arg Thr His Ile Lys Thr Glu Gln Leu
 385 390 395 400
 Ser Pro Ser His Tyr Arg Glu Gln Gln Gln His Ser Pro Gln Gln Ile
 405 410 415
 Ser Tyr Ser Pro Phe Asn Leu Pro His Tyr Arg Pro Ser Tyr Pro Pro
 420 425 430
 Ile Thr Arg Ser Glu Tyr Asp Tyr Ala Asp His Gln Asn Ser Gly Ser
 435 440 445
 Tyr Tyr Ser His Ala Ala Gly Gln Gly Ser Gly Leu Tyr Ser Thr Phe
 450 455 460
 Thr Tyr Met Asn Pro Ala Gln Arg Pro Met Tyr Thr Pro Ile Gly Asp
 465 470 475 480
 Thr Ser Gly Val Pro Ser Ile Pro Gln Thr His Ser Pro Gln Asp Trp
 485 490 495
 Glu Gln Pro Val Tyr Thr Gln Val Thr Arg Pro
 500 505

Figure 1(d)

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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Y00220" 28001600

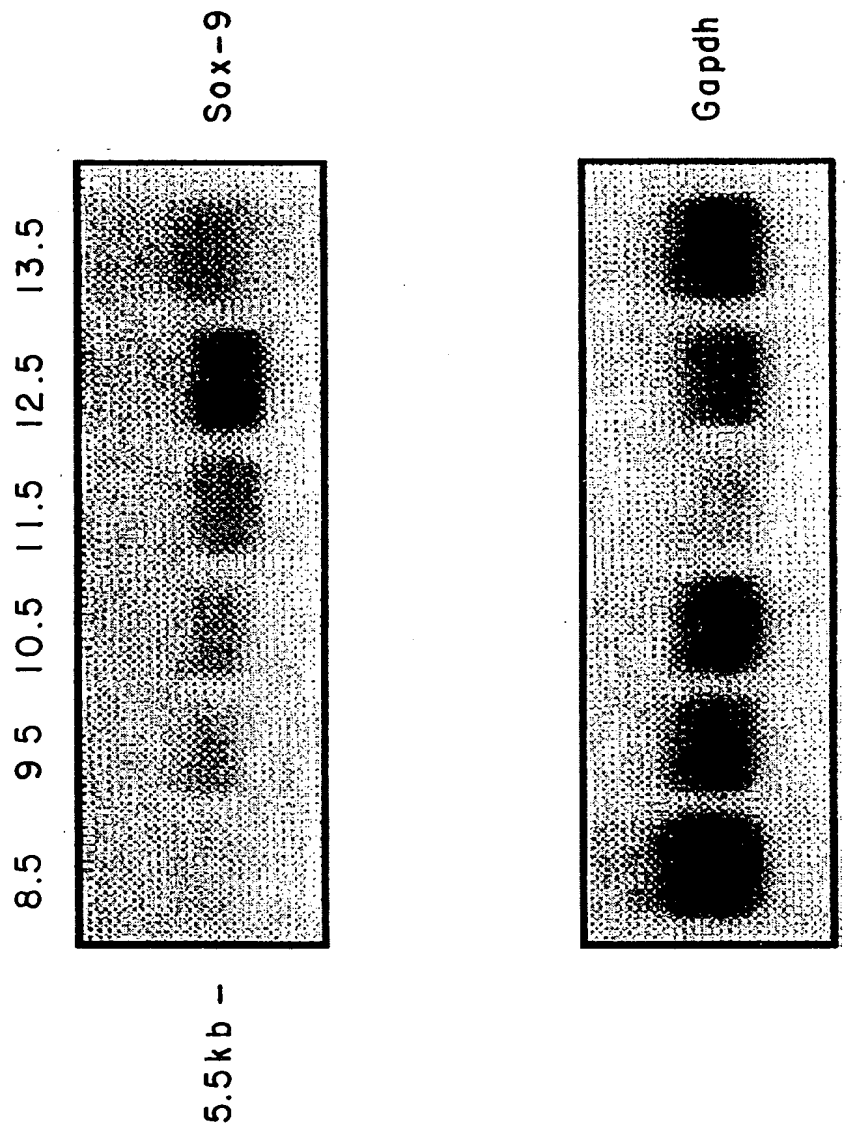


FIG.2

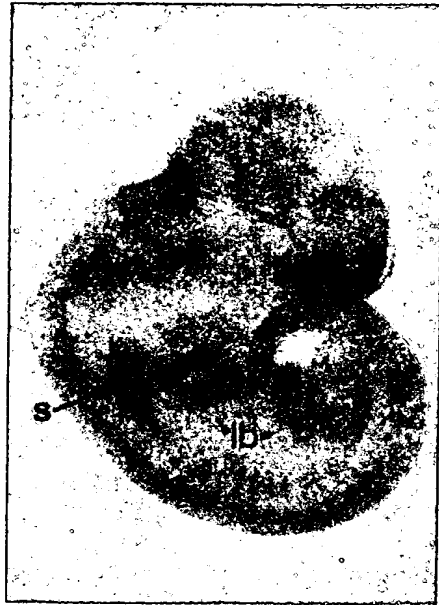


FIG.3e



FIG.3f

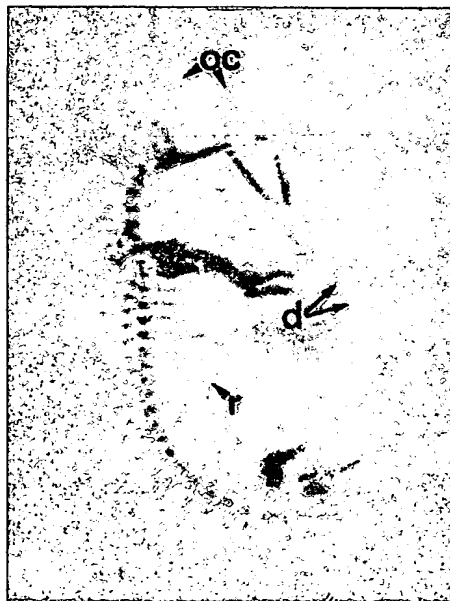


FIG.3g



FIG.3h

100220" 28001650

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

6002072001500

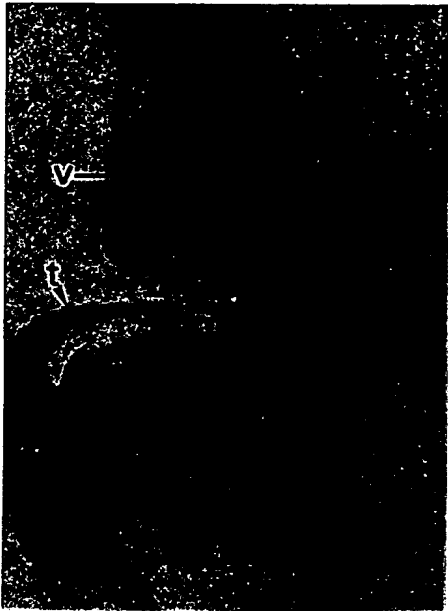


FIG.3i

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 4

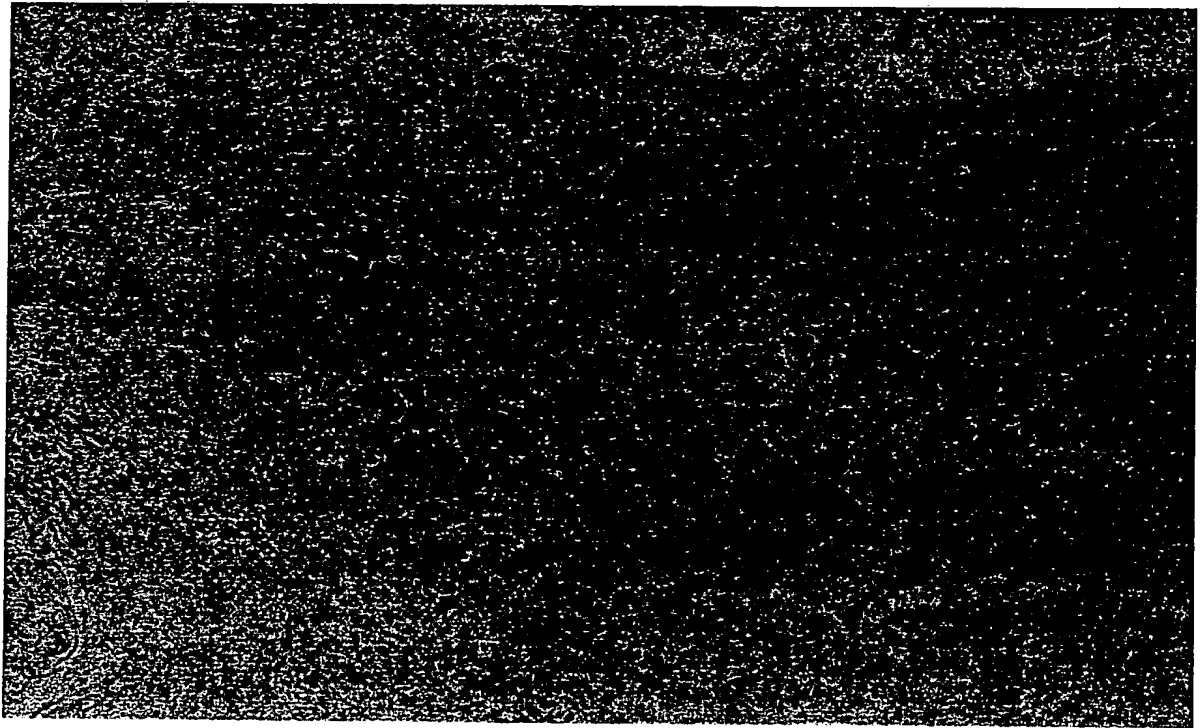


FIG.4

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

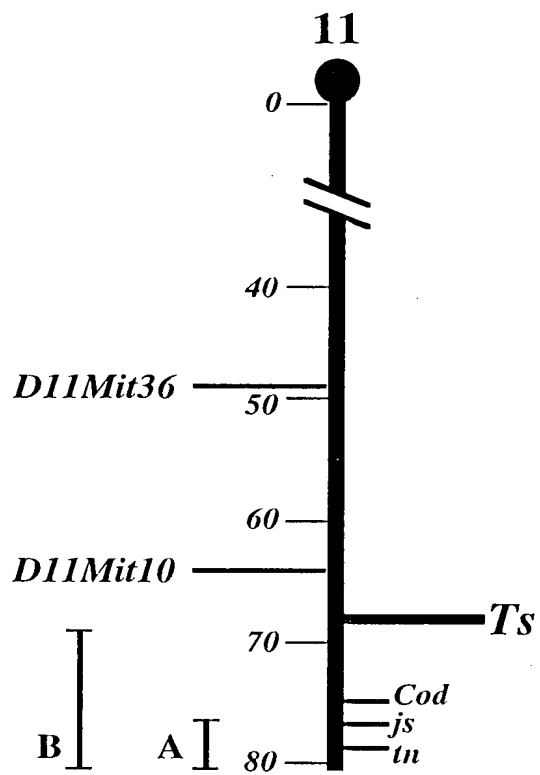


FIG.5

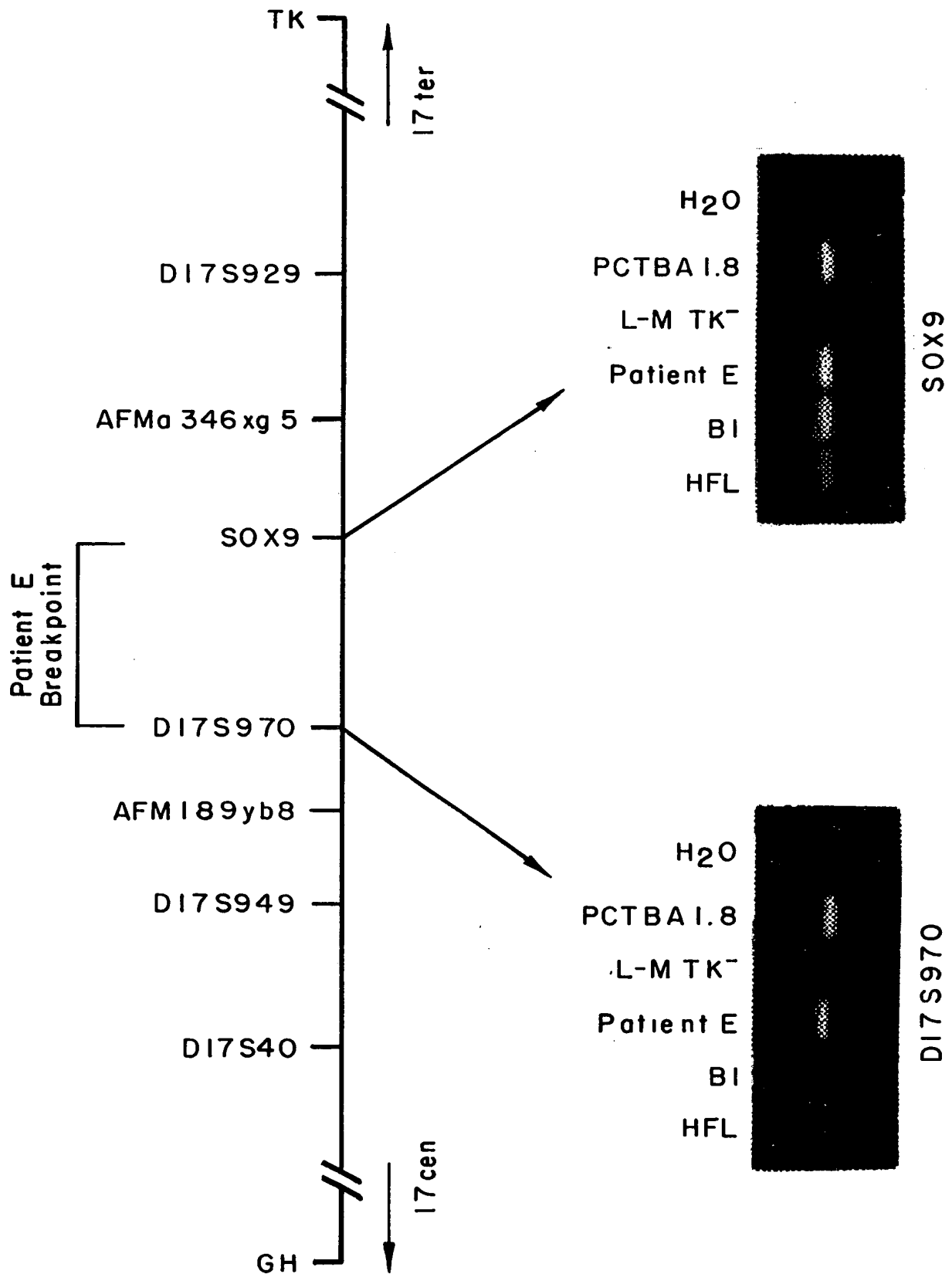


FIG.6

APPROVED	D.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

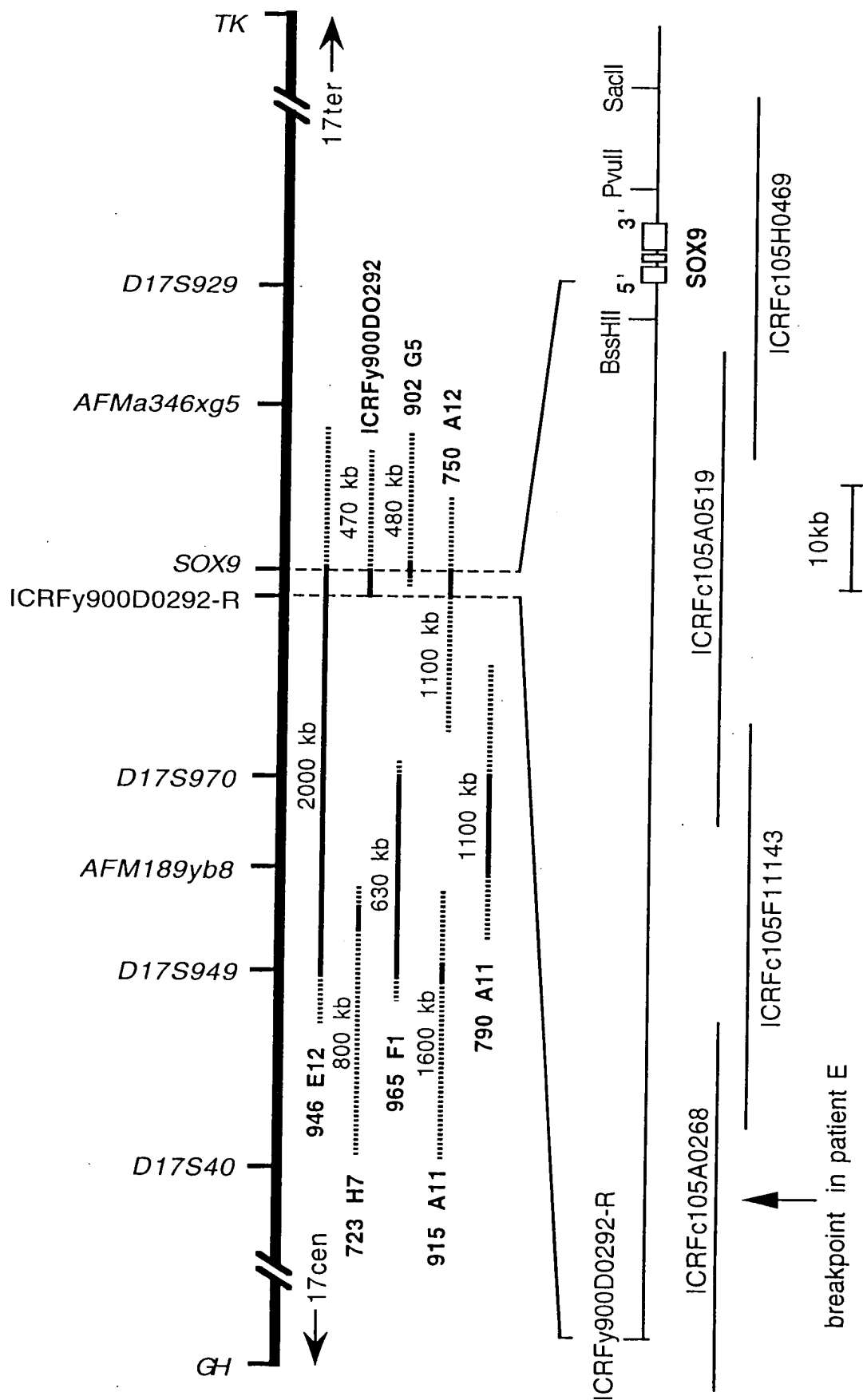


FIG. 7

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

CGGAGCTCGA AACTGACTGG AAAC TTCAGT GGC GCGGAGA CTCGCCAGTT TCAACCCCGG
AAACTTTTCT TTGCAGGAGG AGAAGAGAAG GGGTGCAAGC GCCCCCACTT TTGCTCTTTT
TCCTCCCCTC CTCCTCCTCT CCAATTCGCC TCCCCCACT TGGAGCGGGC AGCTGTGAAC
TGGCCACCCC GCGCCTTCCT AAGTGCTCGC CGCGGTAGCC GGCCGACGCG CCAGCTTCCC
CGGGAGCCGC TTGCTCCGCA TCCGGGCAGC CGAGGGGAGA GGAGCCCGCG CCTCGAGTCC
CCGAGCCGCG GCGGCTTCTC GCCTTTCCCG GCCACCAGCC CCCTGCCCCG GGCCCGCGTA
TGAATCTCCT GGACCCCTTC ATGAAGATGA CCGACGAGCA GGAGAAGGGC CTGTCCGGCG
CCCCAGCCC CACCATGTCC GAGGACTCCG CGGGCTCGCC CTGCCCCTCG GGCTCCGGCT
CGGACACCGA GAACACGCGG CCCCAGGAGA ACACGTTCCC CAAGGGCGAG CCCGATCTGA
AGAAGGAGAG CGAGGAGGAC AAGTTCCTCCG TGTGCATCCG CGAGGCGGTC AGCCAGGTGC
TCAAAGGCTA CGACTGGACG CTGGTGCCCA TGCCGGTGCG CGTCAACGGC TCCAGCAAGA
ACAAGCCGCA CGTCAAGCGG CCCATGAACG CTTTCATGGT GTGGGCGCAG GCGGCGCGCA
GGAAGCTCGC GGACAGTAC CGCACTTGC AGAGCGGAGA AGCGGCCCTT CGTGGAGGAG
AGTCTGGAG ACTTCTGAAC GAGAGCGAGA AGCGGCCCTT CCAGCCGCGG CGGAGGAAGT
TGCGCGTGCA GCACAAGAAG GACCACCCGG ATTACAAGTA CCAGCCGCGG CGGAGGAAGT
CGGTGAAGAA CGGGCAGGCG GAGGCAGAGG AGGCCACGGA GCAGACGCAC ATCTCCCCCA
ACGCCATCTT CAAGGCGCTG CAGGCCGACT CGCCACACTC CTCCTCCGGC ATGAGCGAGG
TGCACTCCCC CGGCGAGCAC TCGGGGCAAT CCCAGGGCCC ACCGACCCCA CCCACCACCC
CCAAAACCGA CGTGAGCCG GGCAAGGCTG ACCTGAAGCG AGAGGGGCGC CCCTTGCCAG
AGGGGGGCG ACAGCCCCCT ATCGACTTCC GCGACGTGGA CATCGGCGAG CTGAGCAGCG
ACGTCACTC CAACATCGAG ACCTTCGATG TCAACAGATT TGACCAGTAC CTGCCGCCCA
ACGGCCACCC GGGGGTGCGG GCCACGACG CCGAGGTCAC CTACACGGGC AGTACGGCA
TCAGCAGCAC CGCGGCCACC CCGGCGAGCG CGGGCCACGT GTGGATGTCC AAGCAGCAGG
CGCCGCCGCC ACCCCCGCAG CAGCCCCAC AGGCCCGCC GGCCCCGCAG GCGCCCCCGC
AGCCGCAGGC GCGCCCCCA CAGCAGCCGG CGGCACCCCC GCAGCAGCCA CAGGCGCACA
CGCTGACCAC GCTGAGCAGC GAGCCGGGCC AGTCCCAGCG AACGCACATC AAGACGGAGC
AGCTGAGCCC CAGCCACTAC AGCGAGCAGC AGCAGCACTC GCCCCAACAG ATCGCCTACA
GCCCCTTCAA CCTCCCACAC TACAGCCCCC CTTACCCGCC CATCACCCGC TCACAGTACG
ACTACACCGA CCACAGAAC TCCAGTCCCT ACTACAGCCA CGCGGCAGGC CAGGACCCG
GCCTCTACTC CACCTTCACC TACATGAACC CCGCTCAGCG CCCCATGTAC ACCCCCATCG
CCGACACCTC TGGGGTCCCT TCCATCCCGC AGACCCACAG CCCCAGCAC TGGGAACAAC
CCGTCTACAC ACAGCTCACT CGACCTTGAG GAGGCCTCCC ACGAAGGGCG ACGATGGCCG
AGATGATCCT AAAAATAACC GAAGAAAGAG AGGACCAACC AGAATTCCTT TTGGACATTT
GTGTTTTTTT GTTTTTTTAT TTTGTTTTGT TTTTCTTCT TCTTCTTCTT CCTTAAAGAC
ATTTAAGCTA AAGGCAACTC GTACCCAAAT TTCCAAGACA CAAACATGAC CTATCCAAGC
GCATTACCCA CTGTGGCCA ATCAGTGGCC AGCCAAACCT TGGCTAAATG GAGCAGCGAA
ATCAACGAGA AACTGGACTT TTTAAACCTT CTTCAGAGCA AGCGTGGAGG ATGATGGAGA
ATCGTGTGAT CAGTGTGCTA AATCTCTCTG CCTGTTTGGA CTTTGTAATT ATTTTTTTAG
CAGTAATTAA AGAAAAAGT CCTCTGTGAG GAATATTCTC TATTTTAAAT ATTTTTAGTA
TGTA CTGTGT ATGATTCATT ACCATTTTGA GGGGATTTAT ACATATTTTT AGATAAAATT
AAATGCTCTT ATTTTTCCAA CAGCTAAACT ACTCTTAGTT GAACAGTGTG CCCTAGCTTT
TCTTGCAACC AGAGTATTTT TGTACAGATT TGCTTTCTCT TACAAAAAGA AAAAAAAAT
CCTGTTGTAT TAACATTTAA AAACAGAATT GTGTTATGTG ATCAGTTTTG GGGTTAACT
TTGCTTAATT CCTCAGGCTT TGCGATTTAA GGAGGAGCTG CCTTAAAAAA AAATAAAGGC
CTTATTTTGC AATTATGGGA GTAAACAATA GTCTAGAGAA GCATTTGGTA AGCTTTATGA
TATATATATT TTTTAAAGAA GAGAAAAACA CCTTGAGCCT TAAAACGGTG CTGCTGGGAA
ACATTTGCAC TCTTTTAGTG CATTTCCCTC TGCTTTTGCT TGTTCACTGC AGTCTTAAGA
AAGAGGTAAG AGGCAAGCAA AGGAGATGAA ATCTGTTCTG GGAATGTTTC AGCAGCCAAT
AAGTGCCCGA GCACACTGCC CCCGGTTGCC TGCTGGGCC CCATGTGGAA GGCAGATGCC
TGCTCGCTCT GTCACCTGTG CCTCTCAGAA CACCAGCAGT TAACCTTCAA GACATTCAC

Figure 8a(1)

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

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TTGCTAAAAAT TATTTATTTT GTAAGGAGAG GTTTTAATTA AAACAAAAAA AAATTCCTTTT
TTTTTTTTTTT TTTTCCAATT TTACCTTCTT TAAAATAGGT TGTGAGAGCT TTCCTCAAAG
GGTATGGTCA TCTGTTGTTA AATTATGTTT TTAAGTGTAA CCAGTTTTTTT TTTATTTATC
TCTTTAATCT TTTTATTAT TAAAAGCAAG TTTCTTTGTA TTCCTCACCC TAGATTTGTA
TAAATGCCTT TTTGTCCATC CCTTTTTTCT TTGTTGTTTT TGTGAAAAAC AAAGTGGAAA
CTTGTTTCTT TTTTGTATA AATGAGAGAT TGCAAATGTA GTGTATCACT GAGTCATTTG
CAGTGTTTTT TGCCACAGAC CTTTGGGCTG CTTATATTG TGTGTGTGTG TGGGTGTGTG
TGTGTTTTGA CACAAAAACA ATGCAAGCAT GTGTCATCCA TATTTCTCTA CATCTTCTCT
TGGAGTGAGG GAGGCTACCT GGAGGGGATC AGCCCACTGA CAGACCTTAA TCTTAATTAC
TGCTGTGGCT AGAGAGTTTG AGGATTGCTT TTTAAAAAAG ACAGCAAAC TTTTTTTTTA
TTTAAAAAAA GATATATTAA CAGTTTGTGA AGTCAGTAGA ATAAAATCTT AAAGCACTCA
TAATATGGCA TCCTTCAATT TCTGTATAAA AGCAGATCTT TTTAAAAAAG ATACTTCTGT
AACTTAAGAA ACCTGGCATT TAAATCATAT TTTGTCTTTA GGTAAAAGCT TTGGTTTGTG
TTCGTGTTTT GTTTGTTTCA CTTGTTTCCC TCCCAGCCCC AAACCTTTTG TTCTCTCCGT
GAAACTTACC TTTCCCTTTT TCTTTCTCTT TTTTTTTTTG TATATTATTG TTTACAATAA
ATATACATTG CATTAATAAG AAA

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Figure 8a(2)

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Met Asn Leu Leu Asp Pro Phe Met Lys Met Thr Asp Glu Gln Glu Lys
1 5 10 15
Gly Leu Ser Gly Ala Pro Ser Pro Thr Met Ser Glu Asp Ser Ala Gly
20 25 30
Ser Pro Cys Pro Ser Gly Ser Gly Ser Asp Thr Glu Asn Thr Arg Pro
35 40 45
Gln Glu Asn Thr Phe Pro Lys Gly Glu Pro Asp Leu Lys Lys Glu Ser
50 55 60
Glu Glu Asp Lys Phe Pro Val Cys Ile Arg Glu Ala Val Ser Gln Val
65 70 75 80
Leu Lys Gly Tyr Asp Trp Thr Leu Val Pro Met Pro Val Arg Val Asn
85 90 95
Gly Ser Ser Lys Asn Lys Pro His Val Lys Arg Pro Met Asn Ala Phe
100 105 110
Met Val Trp Ala Gln Ala Ala Arg Arg Lys Leu Ala Asp Gln Tyr Pro
115 120 125
His Leu His Asn Ala Glu Leu Ser Lys Thr Leu Gly Lys Leu Trp Arg
130 135 140
Leu Leu Asn Glu Ser Glu Lys Arg Pro Phe Val Glu Glu Ala Glu Arg
145 150 155 160
Leu Arg Val Gln His Lys Lys Asp His Pro Asp Tyr Lys Tyr Gln Pro
165 170 175
Arg Arg Arg Lys Ser Val Lys Asn Gly Gln Ala Glu Ala Glu Glu Ala
180 185 190
Thr Glu Gln Thr His Ile Ser Pro Asn Ala Ile Phe Lys Ala Leu Gln
195 200 205
Ala Asp Ser Pro His Ser Ser Ser Gly Met Ser Glu Val His Ser Pro
210 215 220
Gly Glu His Ser Gly Gln Ser Gln Gly Pro Pro Thr Pro Pro Thr Thr
225 230 235 240
Pro Lys Thr Asp Val Gln Pro Gly Lys Ala Asp Leu Lys Arg Glu Gly
245 250 255
Arg Pro Leu Pro Glu Gly Gly Arg Gln Pro Pro Ile Asp Phe Arg Asp
260 265 270
Val Asp Ile Gly Glu Leu Ser Ser Asp Val Ile Ser Asn Ile Glu Thr
275 280 285
Phe Asp Val Asn Glu Phe Asp Gln Tyr Leu Pro Pro Asn Gly His Pro
290 295 300
Gly Val Pro Ala Thr His Gly Gln Val Thr Tyr Thr Gly Ser Tyr Gly
305 310 315 320
Ile Ser Ser Thr Ala Ala Thr Pro Ala Ser Ala Gly His Val Trp Met
325 330 335
Ser Lys Gln Gln Ala Pro Pro Pro Pro Gln Gln Pro Pro Gln Ala
340 345 350
Pro Pro Ala Pro Gln Ala Pro Pro Gln Pro Gln Ala Ala Pro Pro Gln
355 360 365
Gln Pro Ala Ala Pro Pro Gln Gln Pro Gln Ala His Thr Leu Thr Thr
370 375 380

Figure 8a(3)

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Leu	Ser	Ser	Glu	Pro	Gly	Gln	Ser	Gln	Arg	Thr	His	Ile	Lys	Thr	Glu
385					390					395					400
Gln	Leu	Ser	Pro	Ser	His	Tyr	Ser	Glu	Gln	Gln	Gln	His	Ser	Pro	Gln
				405					410					415	
Gln	Ile	Ala	Tyr	Ser	Pro	Phe	Asn	Leu	Pro	His	Tyr	Ser	Pro	Ser	Tyr
			420					425					430		
Pro	Pro	Ile	Thr	Arg	Ser	Gln	Tyr	Asp	Tyr	Thr	Asp	His	Gln	Asn	Ser
		435					440					445			
Ser	Ser	Tyr	Tyr	Ser	His	Ala	Ala	Gly	Gln	Gly	Thr	Gly	Leu	Tyr	Ser
	450					455					460				
Thr	Phe	Thr	Tyr	Met	Asn	Pro	Ala	Gln	Arg	Pro	Met	Tyr	Thr	Pro	Ile
465				470						475					480
Ala	Asp	Thr	Ser	Gly	Val	Pro	Ser	Ile	Pro	Gln	Thr	His	Ser	Pro	Gln
				485					490					495	
His	Trp	Glu	Gln	Pro	Val	Tyr	Thr	Gln	Leu	Thr	Arg	Pro			
			500					505							

Figure 8a(4)

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 10a

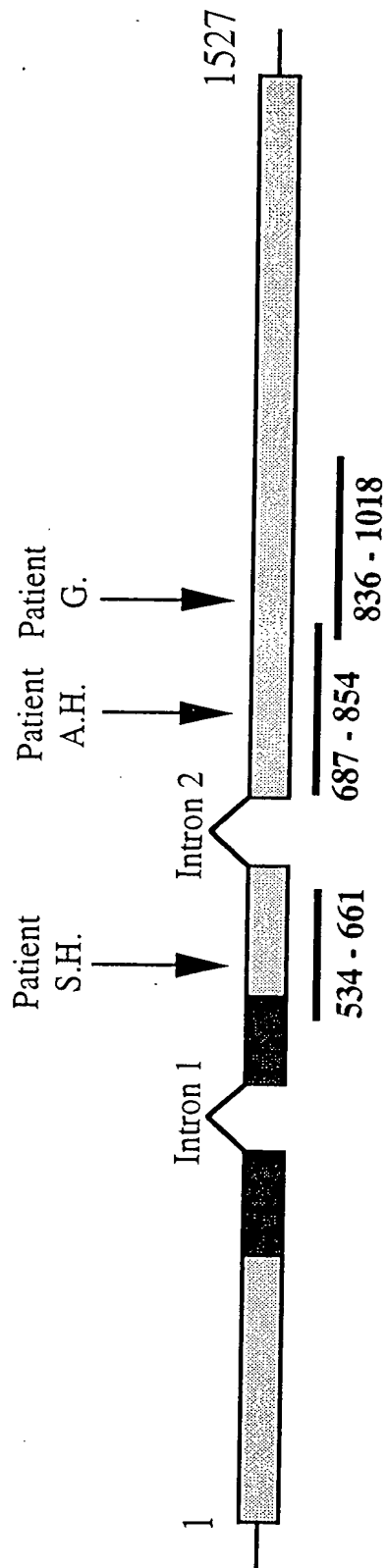
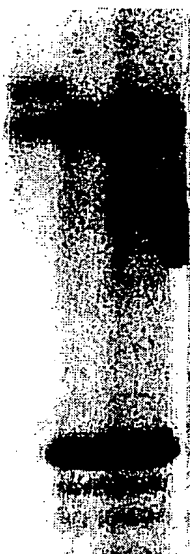


FIG. 10a

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

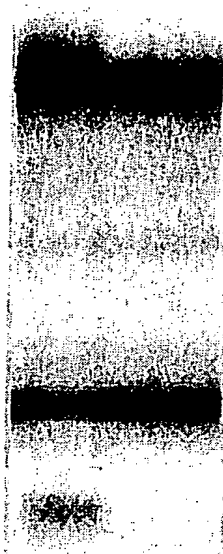
Patient S.H.

1 2 3



Patien A.H.

1 2 3



Patient G.

1 2 3

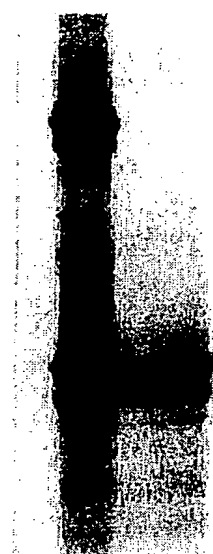


FIG.10b

0094087 07204
1982/20 26004660

FIG. 10c

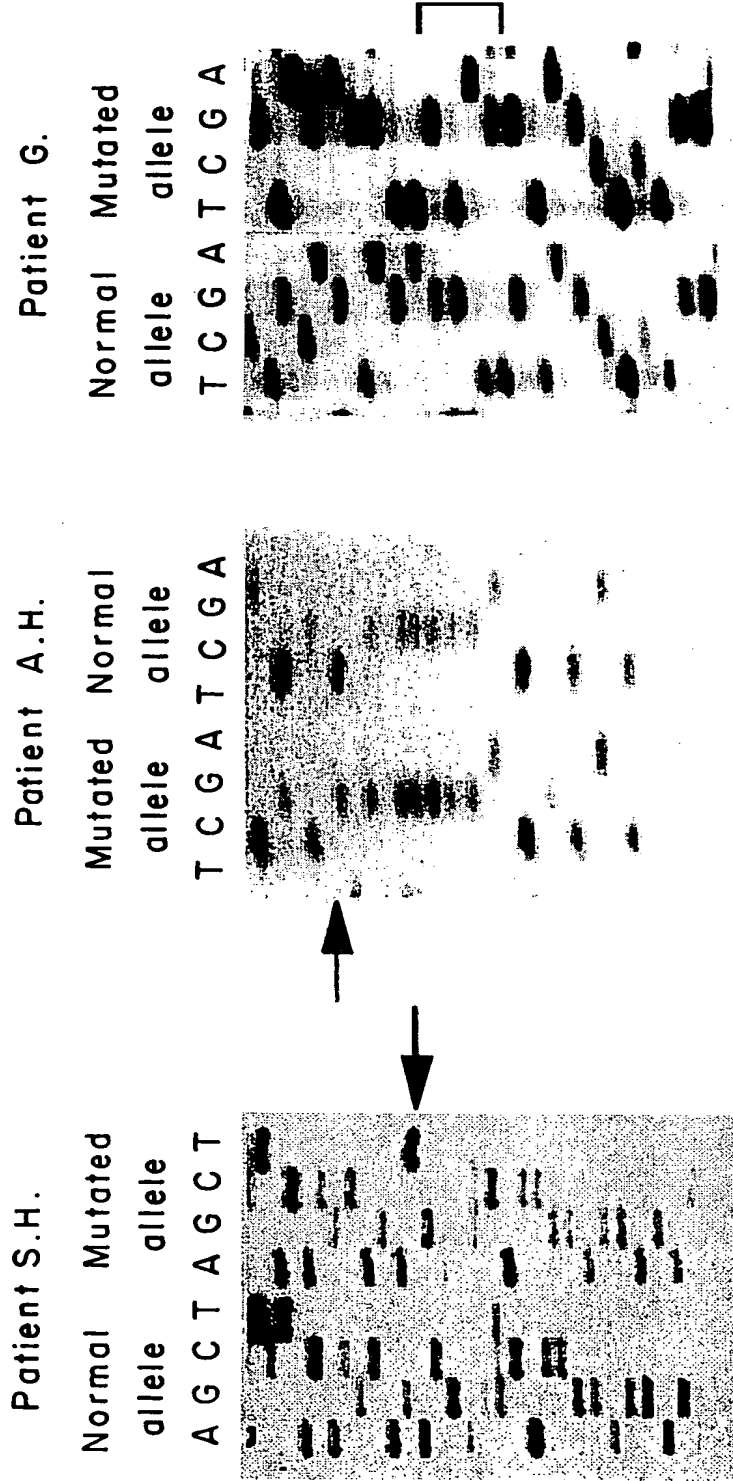


FIG. 10c